

Fabry-Perot Interferometry for Cloud-Aerosol Transport System (CATS) Lidar Receiver

Completed Technology Project (2011 - 2013)



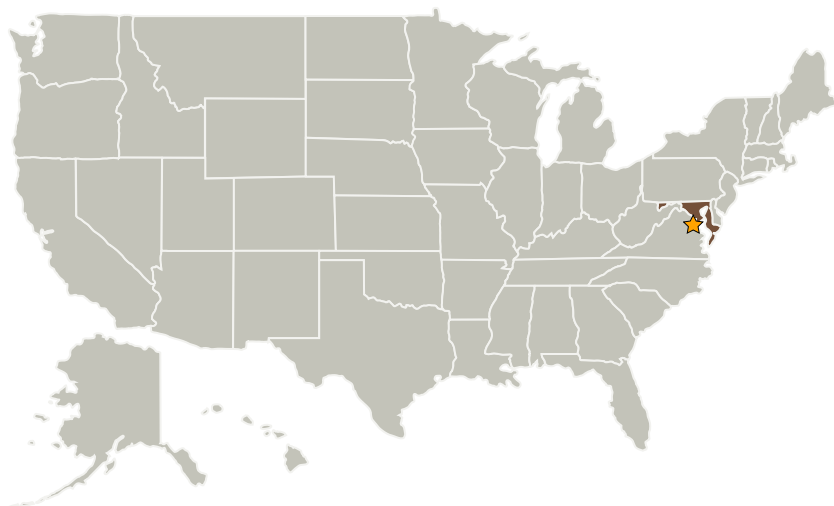
Project Introduction

N/A

Anticipated Benefits

N/A

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia

Primary U.S. Work Locations

Maryland



Prototype Fabry-Perot etalon used in the aircraft CATS instrument.



CATS airborne instrument being installed in ER-2 superpod.



CATS-ISS payload, which will demonstrate fiber optic transceiver-based communications link.

Project Image Fabry-Perot Interferometry for Cloud-Aerosol Transport System (CATS) Lidar Receiver

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Images



11040-1360100003685.jpg

Project Image Fabry-Perot Interferometry for Cloud-Aerosol Transport System (CATS) Lidar Receiver
(<https://techport.nasa.gov/image/1588>)

Organizational Responsibility

Responsible Mission Directorate:

Science Mission Directorate (SMD)

Lead Center / Facility:

NASA Headquarters (HQ)

Responsible Program:

Earth Science

Project Management

Program Director:

George J Komar

Project Manager:

Joseph Famiglietti

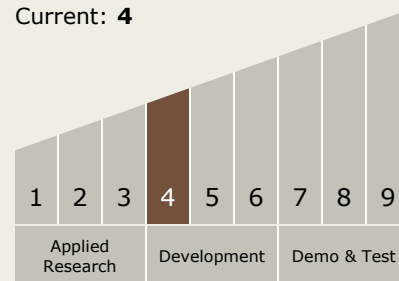
Principal Investigator:

Matthew J McGill

Technology Maturity (TRL)

Start: 4

Current: 4



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Technology Areas

Primary:

- TX08 Sensors and Instruments
 - └ TX08.1 Remote Sensing Instruments/Sensors
 - └ TX08.1.5 Lasers

Target Destination

Earth